Friedrich

INSTALLATION INSTRUCTIONS FOR "SC" MODELS

CASEMENT SASH WINDOW INSTALLATIONS.

These models will fit casement window openings as follows:

HEIGHT: 10-13/16" Minimum to 11-3/4" Maximum
WIDTH: 14-3/4" Minimum to 18-3/8" Maximum

STEP 1 Remove the unit from the shipping carton. Remove the tape holding the decorative front in place. Remove the front and place it out of the way. Slide the unit out of the shell. As you slide the unit out, you will notice a foam gasket between the chassis and the cabinet. Save the gasket for STEP 7.

STEP 2 Remove the glass, putty and window crank, if necessary. Measure the horizontal width dimension "W" or window frame opening (Figure 1). If dimension "W" is 16" (405 mm) or less, no adjustment of the side bracket is necessary. If the dimension is more than 16" (405 mm) – loosen the two (2) acorn nuts and slide the side brackets out. (Add one inch (25 mm) to the measured "W" dimension for this adjustment.) Tighten the acorn nuts. (Figure 2).

FIGURE 1

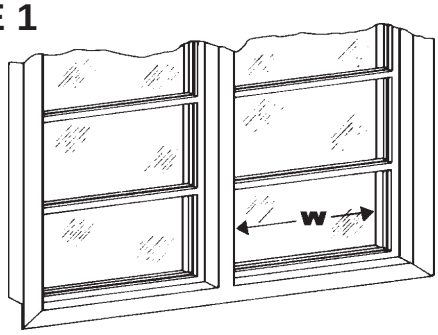
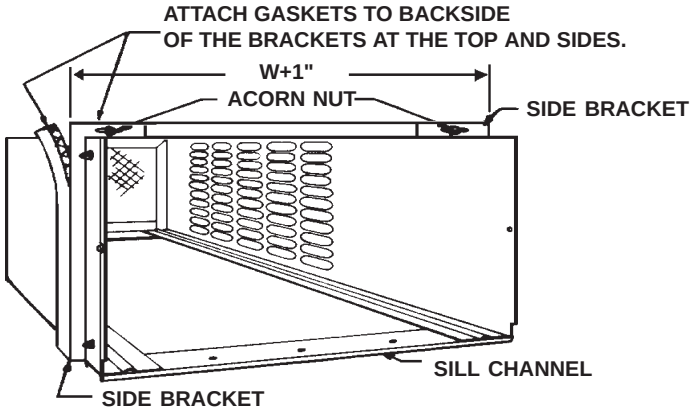


FIGURE 2

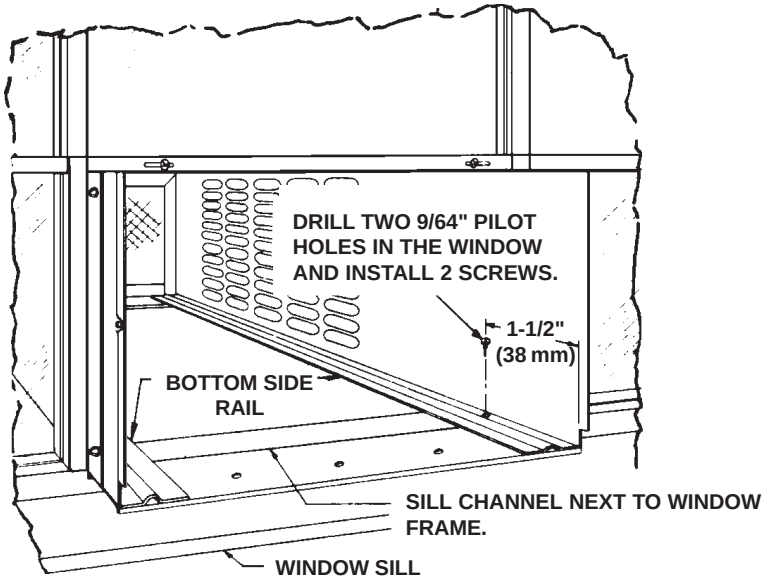


STEP 3 Remove the paper backing from the 36" (91 mm) strip of foam gasket (3/8" x 3/4"(10 mm x 19mm)) and attach it to the back side of the top and side brackets (Figure 2). The edge of the gasket and brackets should be flush. Press the gasket firmly in place.

STEP 4 Slide the outer shell into the window opening as far as the sill channel will permit. The back side of the sill channel must be in contact with the front side of the window frame (Figure 3). Drill two (2) 9/64" (3.6mm) diameter pilot holes in the lower part of the window frame.

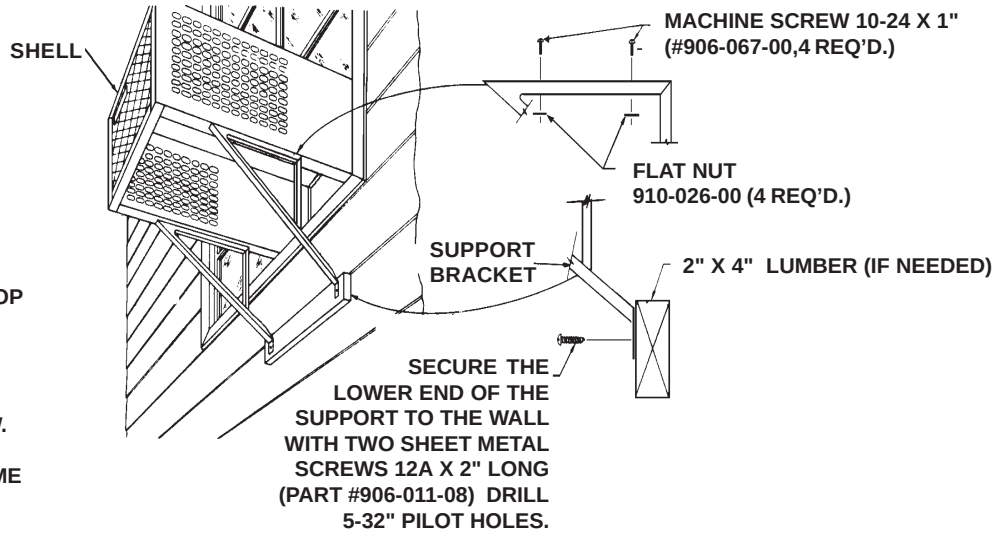
NOTE: Use the first empty hole in the bottom side rails of the shell, just back of the steel sill channel as a guide. Secure the shell to the window channel with two (2) hex-head self-tapping screws 1-1/8" (29 mm) long in the pilot holes. Part # 906-022-02 (Figure 3).

FIGURE 3


DRILL TWO 9/64" PILOT HOLES IN THE WINDOW AND INSTALL 2 SCREWS.
1-1/2" (38 mm)
BOTTOM SIDE RAIL
SILL CHANNEL NEXT TO WINDOW FRAME.
WINDOW SILL

STEP 5 Position the support brackets as shown in Figure 4. Attach to the shell with four (4) truss-head 10-24 machine screws and four (4) flat nuts. Secure the bottom of the support brackets to the wall with two (2) wood screws. Check the shell to allow for a 1/4" (6 mm) downward slope towards the outside. If used on other than wood construction, screw the support brackets to a piece of 2" x 4" material.

FIGURE 4


SHELL
MACHINE SCREW 10-24 X 1" (#906-067-00,4 REQ'D.)
FLAT NUT 910-026-00 (4 REQ'D.)
SUPPORT BRACKET
2" X 4" LUMBER (IF NEEDED)
SECURE THE LOWER END OF THE SUPPORT TO THE WALL WITH TWO SHEET METAL SCREWS 12A X 2" LONG (PART #906-011-08) DRILL 5-32" PILOT HOLES.

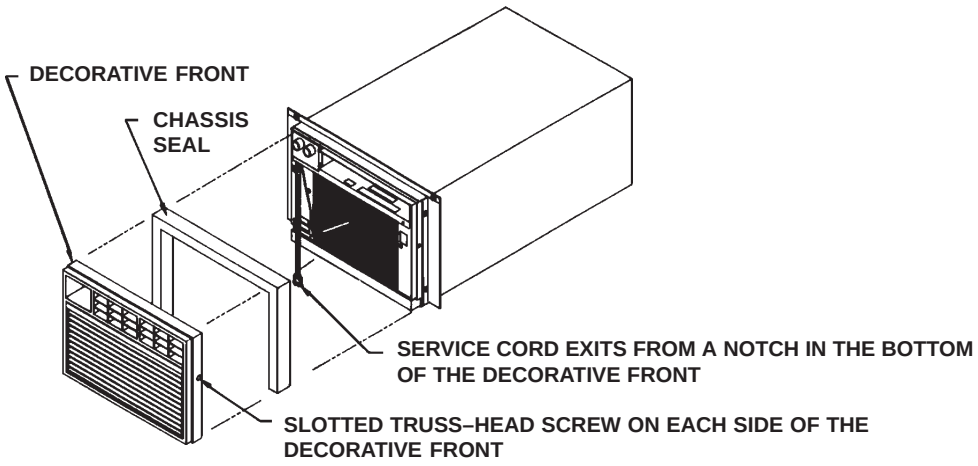
NOTE: ADJUST THE SUPPORT BRACKETS TO PROVIDE A 1/4" (6 mm) DROP OF THE SHELL TO THE OUTSIDE FOR WATER DRAINAGE. THIS VIEW SHOWS THE SHELL MOUNTED IN THE WINDOW. THE SUPPORT BRACKETS ARE ASSEMBLED THE SAME FOR A THRU-THE-WALL INSTALLATION.

STEP 6 If the installation is in the swing-out part of the window, be sure the window is locked closed, then slide the chassis into the shell as far as it will go.

STEP 7 Reinstall the CHASSIS SEAL GASKET. Carefully "stuff" the gasket between the chassis and the cabinet starting at either bottom corner and go up the side, across the top and down the opposite side. It is IMPORTANT that this gasket be properly installed as it prevents air leakage around the chassis.

STEP 8 Place the filter in the pocket, in front of the coil, then install the decorative front over the edge of the shell and secure it with two (2) number 10 x 1/2" slotted head screws, (Figure 5).

FIGURE 5


DECORATIVE FRONT
CHASSIS SEAL
SERVICE CORD EXITS FROM A NOTCH IN THE BOTTOM OF THE DECORATIVE FRONT
SLOTTED TRUSS–HEAD SCREW ON EACH SIDE OF THE DECORATIVE FRONT

STEP 9 **CIRCUIT PROTECTION –** If the air conditioner is connected to a circuit protected by a fuse, use a “TIME-DELAY” fuse due to the momentary high current demand when the air conditioner is started. Before operating your unit, verify the ampere rating of the time-delay fuse or circuit breaker which protects your unit. The ampere rating of the time-delay fuse or circuit breaker must be 15 amps. Plug the service cord into the electrical outlet (see warning note below). Refer to the Owner’s Manual for operating instructions.

WARNING: This appliance is equipped with a three-prong (grounding) plug for your protection against shock hazards and should be plugged directly into a properly grounded three-prong receptacle. Where a two-prong receptacle is encountered, it must be replaced with a properly grounded three-prong receptacle in accordance with the National Electrical Code and local codes and ordinances. The work should be done by a qualified electrician.

THRU–THE–WALL INSTALLATIONS

Hardware included for installation:

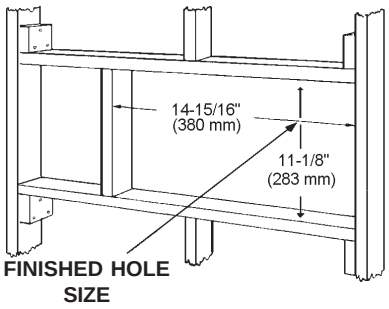
- 2 - Support brackets
- 2 - No. 12A x 2" Sheet Metal Screws
- 4 - 10-24 x 1" Machine Screws
- 4 - 10-24 Flat Nuts
- 1 - 36" Strip Foam Gasket (Part # 604-673-32)
- 2 - 10BP x 1/2" Slotted Truss Head Screws
- 3 - 8A x 1 1/4" Phillips Head Screws
- 2 - 8-32 x 1-1/8" Hex Head Self-Tapping Screws

NOTE: This unit may be installed in walls up to 9" thick (maximum).

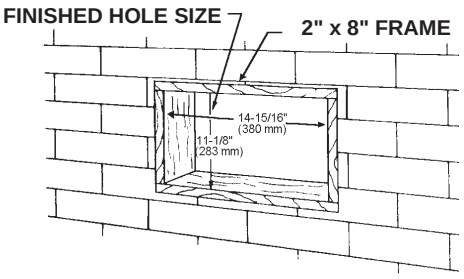
STEP 1 Remove the unit from the shipping carton. Remove the tape holding the decorative front in place. Remove the front and place it out of the way. Slide the unit out of the shell. As you slide it out, you will notice a foam gasket between the chassis and the cabinet. Save this gasket for STEP 6.

STEP 2 **LAYOUT:** Cut and frame-in an opening in the desired wall area, using Figure 6 as a guide. Remove two (2) screws and relocate the sill plate back one inch to the next set of holes in the shell rail. Place the shell in the wall opening with the front flange tight against the wall surface. Drill three (3) 3/32" (2.5 mm) diameter pilot holes. Secure three (3) 1-1/4" long Phillips screws in the sill plate (Figure 7).

FIGURE 6



FRAME CONSTRUCTION



CONCRETE BLOCK CONSTRUCTION

STEP 3 Attach the support brackets to the shell with screws and nuts furnished (See Figure 4 - Sash Window Installations).

STEP 4 Secure the lower end of the support brackets to the wall. (See Figure 4 - Sash Window Installations.)

NOTE: If other than wood construction, use a piece of 2" x 4" lumber to attach support brackets. (See Figure 4 - Sash Window Installations.)

STEP 5 Caulk all around the shell on the outside to insure a watertight seal. Slide the chassis into the shell as far as it will go.

STEP 6 Reinstall the CHASSIS SEAL GASKET. Carefully stuff the gasket between the chassis and the cabinet, starting at either bottom corner and go up the side, across the top and down the opposite side. It is IMPORTANT that this gasket be properly installed as it prevents air leakage around the chassis.

STEP 7 Complete the installation by following STEPS 8 and 9 of the Sash Window Installation Instructions, Page 3.

FIGURE 7